

STN search 5/17/07

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NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN
NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6 JAN 22 CA/CAPLUS updated with revised CAS roles
NEWS 7 JAN 22 CA/CAPLUS enhanced with patent applications from India
NEWS 8 JAN 29 PHAR reloaded with new search and display fields
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
multiple databases
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records
NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13 FEB 26 MEDLINE reloaded with enhancements
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000
to 300,000 in multiple databases
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19 MAR 16 CASREACT coverage extended
NEWS 20 MAR 20 MARPAT now updated daily
NEWS 21 MAR 22 LWPI reloaded
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 26 APR 30 CA/CAPLUS enhanced with 1870-1889 U.S. patent records
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN
NEWS 28 MAY 01 New CAS web site launched
NEWS 29 MAY 08 CA/CAPLUS Indian patent publication number format defined
NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display
fields
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
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***** STN Columbus *****

FILE 'HOME' ENTERED AT 11:27:11 ON 17 MAY 2007

=> file casreact

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CASREACT' ENTERED AT 11:27:20 ON 17 MAY 2007

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FILE CONTENT:1840 - 12 May 2007 VOL 146 ISS 21

New CAS Information Use Policies, enter HELP USAGETERMS for details.

*
* CASREACT now has more than 12 million reactions *
*

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

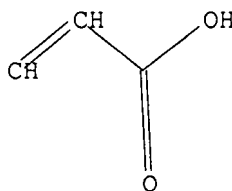
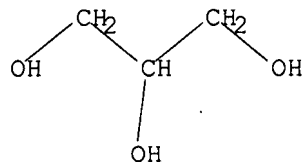
Uploading C:\Documents and Settings\jcho2\My Documents\10585793a.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 11:27:54 FILE 'CASREACT'

SCREENING COMPLETE - 3490 REACTIONS TO VERIFY FROM

423 DOCUMENTS

100.0% DONE

3490 VERIFIED

28 HIT RXNS

8 DOCS

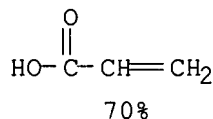
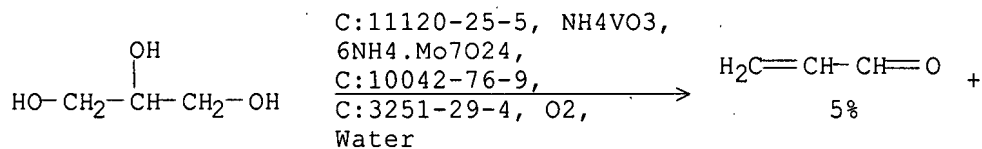
SEARCH TIME: 00.00.03

L2 8 SEA SSS FUL L1 (28 REACTIONS)

=> d 12 1-8

L2 ANSWER 1 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(1) OF 1



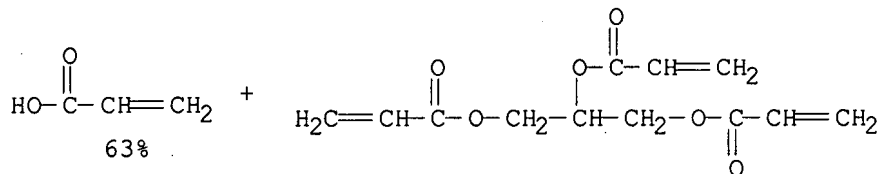
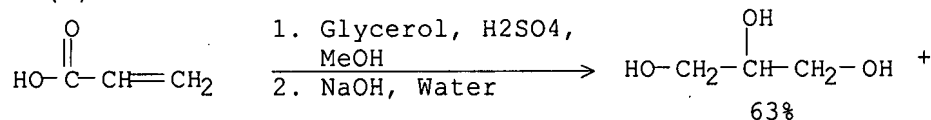
REF: PCT Int. Appl., 2006114506, 02 Nov 2006

NOTE: product distribution depends on catalyst, reaction conditions,
gas phase

CON: 280 deg C

L2 ANSWER 2 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(1) OF 2



REF: Jpn. Kokai Tokkyo Koho, 2006257044, 28 Sep 2006

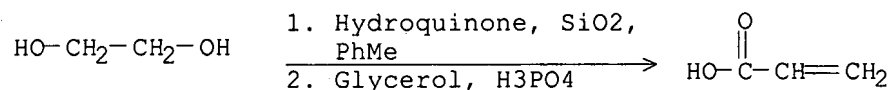
CON: STAGE(1) 5 hours, 70 deg C
STAGE(2) pH 8.3

L2 ANSWER 3 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(1) OF 29 - REACTION DIAGRAM NOT AVAILABLE

L2 ANSWER 4 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(3) OF 4



REF: Jpn. Kokai Tokkyo Koho, 2005176802, 07 Jul 2005

NOTE: enzymic, biotransformation, mol. sieve used in second stage,
other product also detected

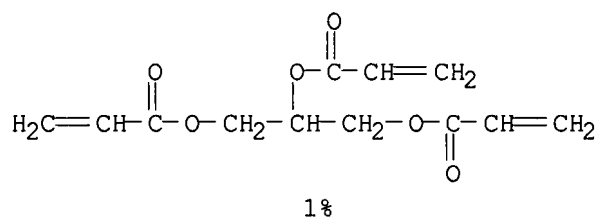
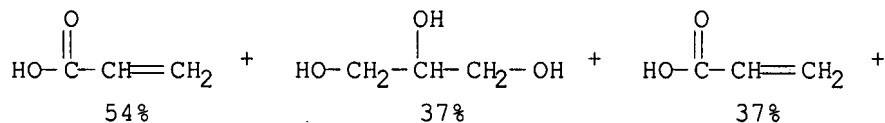
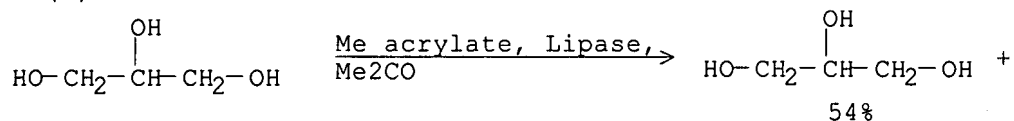
CON: STAGE(1) room temperature -> 40 deg C
STAGE(2) 10 minutes, room temperature

L2 ANSWER 5 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 53 - REACTION DIAGRAM NOT AVAILABLE

L2 ANSWER 6 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 7



REF: PCT Int. Appl., 2004048585, 10 Jun 2004

NOTE: biotransformation, enzymic, molecular sieves used, Novozym 435 used as catalyst, presence or absense of solvent and/or molecular sieves affects product distribution

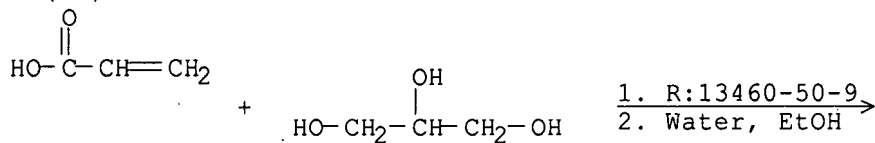
CON: 2 days, 40 deg C

L2 ANSWER 7 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(2) OF 7 - REACTION DIAGRAM NOT AVAILABLE

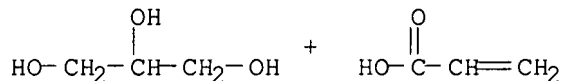
L2 ANSWER 8 OF 8 CASREACT COPYRIGHT 2007 ACS on STN

RX(10) OF 13



Na
(step 2)

liquid phase



REF: Braz. Pedido PI, 9302152, 16 Nov 1993

NOTE: 100.degree.; then approx. 70.degree.

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|--|------------------|---------|------------------|
| L1 | 776 | ((562/532) or (562/577)).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/05/17 14:57 |
| L2 | 16 | l1 and "acrylic acid" and glycerol | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/17 15:16 |
| L3 | 4 | l1 and (glycerol with (propene or propylene)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/17 15:18 |
| L4 | 13635 | "acrylic acid" and (glycerol with (propene or propylene)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/17 15:19 |
| L5 | 86238 | "acrylic acid" and (glycerol near "6" (propene or propylene)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/17 15:19 |
| L6 | 8021 | "acrylic acid" and (glycerol near6 (propene or propylene)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/17 15:20 |
| L7 | 4088 | "acrylic acid" glycerol gas oxidation oxygen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 15:21 |
| L8 | 1178 | L7 and (glycerol near4 (propylene or propene)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 15:21 |

EAST Search History

| | | | | | | |
|-----|---------|--|--|-----|----|------------------|
| L9 | 32239 | glycerol near3 (propylene or propene) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 15:22 |
| L10 | 82 | "acrylic acid" glycerol gas oxidation oxygen dehydrat? | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 15:22 |
| L11 | 16 | L10 and I9 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 15:22 |
| S1 | 1116918 | "acrylic acid" dehydrat? glycerol "gas phase" oxidation "tandem-type reactor" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/16 16:20 |
| S2 | 0 | "acrylic acid" dehydrat? glycerol "gas phase" oxidation ("tandem-type reactor" or "tandem reactor") ("single-type reactor" or "single reactor") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 11:31 |
| S3 | 0 | "acrylic acid" dehydration glycerol "gas phase" oxidation ("tandem-type reactor" or "tandem reactor") ("single-type reactor" or "single reactor") oxygen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 16:21 |
| S4 | 23 | "acrylic acid" dehydration glycerol "gas phase" oxidation reactor oxygen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 16:27 |
| S5 | 4084 | "acrylic acid" glycerol gas oxidation oxygen | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 15:20 |

EAST Search History

| | | | | | | |
|-----|-----|---|--|-----|----|------------------|
| S6 | 82 | "acrylic acid" glycerol gas oxidation oxygen dehydrat? | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 16:49 |
| S7 | 81 | "acrylic acid" glycerol gas oxidation oxygen dehydrat? water | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 16:29 |
| S8 | 79 | S7 not S4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 16:39 |
| S9 | 3 | "2005213225" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 16:39 |
| S10 | 5 | "2005073160" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 16:39 |
| S11 | 22 | "acrylic acid" same glycerol same gas same (oxidation or oxidize or dehydrate or dehydration) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 17:21 |
| S12 | 105 | "acrylic acid" same glycerol same (oxidation or oxidize or dehydrate or dehydration) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 17:03 |
| S13 | 83 | S12 not S11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/16 17:11 |

EAST Search History

| | | | | | | |
|-----|---------|---|--|-----|-----|------------------|
| S14 | 10 | ("20030109281" "5387720" "5677261" "5959143" "6403829").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 12:08 |
| S15 | 18 | ((("6844467") or ("2721188") or ("3334132") or ("4962027") or ("5677261") or ("5387720"))).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/05/16 17:20 |
| S16 | 5109892 | "acrylic acid" glycerol "gas phase" "oxidation reaction" "dehydration reaction" "glycerol solution" "aqueous glycerol" water "tandem-type reactor" oxygen "single-type reactor" reactor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/16 17:24 |
| S17 | 12 | S15 and S16 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/05/16 17:24 |
| S18 | 9 | "9302152".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 11:32 |
| S19 | 16 | "9302152" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 11:32 |
| S20 | 80 | propylene same acrolein same "acrylic acid" same oxidiz? | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 12:11 |
| S21 | 80 | propylene same acrolein same "acrylic acid" same oxidiz? and acrolein | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 12:15 |

EAST Search History

| | | | | | | |
|-----|----|---|--|-----|----|------------------|
| S22 | 79 | propylene same acrolein same "acrylic acid" same oxidiz? and acrolein and (tandem or reactor or tube) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 12:16 |
| S23 | 80 | propylene same acrolein same "acrylic acid" same oxidiz? and acrolein and (tandem or reactor or tube or single) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 12:16 |
| S24 | 14 | S23 and ("tandem-type reactor" or "single-type reactor" or "reaction tube") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | AND | ON | 2007/05/17 14:57 |